

# **VALUE ENGINEERING CHANGE PROPOSAL** **MISSOURI DEPARTMENT OF TRANSPORTATION**

☒ Conceptual Proposal      ☐ Final Proposal      Date 8-4-11  
 Contract ID 110527-702      Job No. J7P0797P  
 County Bates Rt. 71 OR      Original Bid Cost 1,391,022.42  
 Contractor APAC - Hilty      By Scotland Lawson  
 Designed By Scotland Lawson      Phone 660-351-4651  
 VECP# 11-56 (to be completed by C.O.)      VECP ☒ or PDVECP ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages  
 The original plan design for pavement thickness was 3.5 inches of bituminous base with 3.5 inches of bituminous pavement. Hilty proposes a substitution of 1.75 inches of bituminous base in lieu of 1.75 inches of bituminous pavement. This keeps the pavement thickness the same. The advantage of this would be an increase in structural stability and longevity of the pavement along with construction cost savings.

2. Estimate of reduction in construction costs. 8975.77

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.  
 There will be no adverse effects this proposed change will have on maintenance of the pavement.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

N/A  
 (date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

N/A      \_\_\_\_\_  
 (date)      (effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A  
 (date and/or dates)

Additional Comments:

**\*\* Portion Below This Line To Be Filled Out by MoDOT \*\***

Comments: The proposed change in design reflects the pavement designed on the outer road for J7P0797K which is adjacent to this project. I agree with this proposal as a practical design SE.



Submitted By Resident Engineer

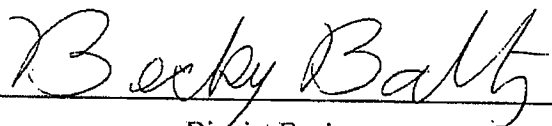
8-8-11

Date

Comments: I concur.

☒ Approval  
Recommended

☐ Rejection  
Recommended



District Engineer

8-9-11

Date

Comments:

NOT FEDERAL OVERSIGHT

☐ Approval  
Recommended

☐ Rejection  
Recommended

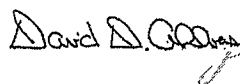
Federal Highway Administration  
Required for FHWA Full Oversight Projects

Date

Comments: APPROVED PER DISTRICT RECOMMENDATION

☒ Approval

☐ Rejection



State Construction and Materials Engineer

Digitally signed by Dennis Bryant  
DN: cn=Dennis Bryant, o=MoDOT,  
ou=3H35,  
email=dennis.bryant@modot.mo.gov,  
c=US  
Date: 2011.08.17 13:21:45 -05'00'

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA  
Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

Value Engineering spreadsheet on cost savings.

Plan estimated quantity

| Line item | Quantity | Price   | Cost         |
|-----------|----------|---------|--------------|
| 110       | 4521.8   | \$59.71 | \$269,996.68 |
| 120       | 4627.5   | \$55.74 | \$257,936.85 |
| Total     |          |         | \$527,933.53 |

Savings \$8,975.77

VE estimated quantity

| Line item | Quantity | Price   | Cost         |
|-----------|----------|---------|--------------|
| 110       | 2260.9   | \$59.71 | \$134,998.34 |
| 120       | 6888.4   | \$55.74 | \$383,959.42 |
| Total     |          |         | \$518,957.76 |

Contract ID: 110527-702

Fed St/Pr Proj Nbr: FAS-9900 (742)

Status: Active

Primary PCN: J7P0797P

District: SW

OrgCode: GCG

**Funding**

Progress Sched:

Variance Pct: .00

- ☒ Federal  
☐ State/Province  
☐ Both

Desc: J7P0797P - ROUTE 71 OR - BATES COUNTY

Time Charges: Completion Date

Bid Days: 170

Bid Amt: \$1,391,022.42

Contract Type: Construction Project Above \$500,000

☐ Fed Oversight

Work Type: NEW CONSTRUCTION

☐ Local Oversight

Proposal Fund Type:

Spec Yr: 1996

Unit System: English

Suppl Spec Bk Yr:

Alt ID:

# VALUE ENGINEERING CHECK SHEET

## TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. \_\_\_\_\_

## SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

\_\_\_\_\_ Use 1.75 inches Bit Pvt over Bit Base in lieu of 3.5 inches Bit Pvt over Bit Base.

## SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

\_\_\_\_\_ Scan entire document.